

Department of Natural Resources
New York State College of Agriculture and Life Sciences
CORNELL UNIVERSITY

E 7.4 - 1 0.4 2.8

CR-137364

PROGRESS REPORT

Evaluation of Skylab Imagery as an Information Service for Investigating
Land Use and Natural Resources (Skylab), NASA Contract NAS 9-13364

This report covers the period of March 1-31, 1974. During this period final determination of photo processing steps was made. It has been decided that for ease of darkroom operations and to minimize handling of the Skylab frames, areas to be studied will be copied onto an interneg using Kodak's Blue Masking Film (S02136) developed in DK 50 for 5 minutes. This results in a gamma of about 1.0. Film enlarging and processing of each of the three study areas, Central, Lower Hudson, and Suffolk Co. is now in progress. In addition, preparations are nearly completed for starting a preliminary interpretation of each of the three study areas. Base maps with UTM grids have been prepared. It is expected that once the desired color composites have been selected the interpretation should be completed quite rapidly.

It has been noted that with the greatly increased number of levels of grey on the Skylab photography as compared to the ERTS imagery, we are experiencing some difficulty in constructing as many suitable composites. This may be simply due to an increased number of possible separations as compared to ERTS. However, we may be experiencing some limitation of the diazo film with respect to exposure. This problem is being investigated in developing a color prediction model. The prediction model is now being programmed and feasibility of the concept should be decided soon.

A number of planning groups in each of the test site areas are being selected for field interviews once the preliminary interpretation of each

E74-10428) EVALUATION OF SKYLAB IMAGERY
AS AN INFORMATION SERVICE FOR
INVESTIGATING LAND USE AND NATURAL
RESOURCES (SKYLAB) Progress Report, 1-31
(Cornell Univ.) 2 p HC \$4.00 CSCL 08B

N74-20955

Unclas
G3/13 00428

Made available under NASA sponsorship
in the interest of early and wide dis-
semination of Earth Resources Survey
Program information and without liability
for any use made thereof.

site is completed. The purpose of the interview will be to try to further clarify the needs of the user and also acquaint the user with the advantages and limitations of Skylab imagery. A revised questionnaire based on results of two previous mailed questionnaires has been prepared for use in each interview.

Principal Investigator

Dr. Ernest E. Hardy

Agency

New York State College of
Agriculture and Life Sciences
Cornell University
Ithaca, New York